Index of Claims

Rejected

Allowed

| Application/Control No. | Αr | pliq | ation | /Cont | rol No. |
|-------------------------|----|------|-------|-------|---------|
|-------------------------|----|------|-------|-------|---------|

10/533,104

Examiner

Reexamination KWEE ET AL.

Applicant(s)/Patent under

Art Unit

1643

Hong Sang

N

Appeal Α

Restricted

(Through numeral)

Cancelled

Interference

Non-Elected

0 Objected

| Cla      | aim      |         |  |              | - [      | Date            | <del></del> |           |          |          |          | Cla   | aim      | <u> </u>        |               | ***      | Da           | te        |                 |          |          |  | Claim      |                |  |          |          | ate      | •        |          |          |          |
|----------|----------|---------|--|--------------|----------|-----------------|-------------|-----------|----------|----------|----------|-------|----------|-----------------|---------------|----------|--------------|-----------|-----------------|----------|----------|--|------------|----------------|--|----------|----------|----------|----------|----------|----------|----------|
|          | ie i     | 7       |  |              |          |                 |             |           |          |          |          |       | al       |                 |               |          |              |           |                 |          |          |  | <u>a</u>   |                |  | T        |          |          | T        | T        |          |          |
| Final    | ij       | 0/0     | l  | l            |          |                 |             |           |          |          |          | Final | ij       |                 |               |          |              |           | 1 1             |          | 1:::::   | Final  | l Ë        | ľ              |  |          |          |          |          |          |          | - 1      |
| 证        | Original | 2/10/07 |  |              |          |                 |             |           |          |          |          | 证     | Original |                 |               |          |              |           | 1               |          |          | ίΞ   | Original   |                |  |          |          |          |          |          |          | - 1      |
|          |          |         | <u> </u>   | _            |          | Ш               |             |           | $\Box$   |          |          |       |          |                 |               | _        | _            | -         | $\sqcup$        | _        | 4        |  |            | <u> </u>       | $\sqcup$   | $\dashv$ |          | _        |          | $\dashv$ | $\dashv$ | _        |
|          | 1        | +       | <u> </u>   | _            | -        | Н               |             |           | _        |          |          |       | 51       |                 | $\dashv$      | +        | -            | ┼         | <del> </del>    | +        | -        |  | 101        | ├-             | $\vdash$   | $\dashv$ |          |          |          | -+       | $\dashv$ |          |
|          | 2        | 4       | <u> </u>   | <u> </u>     | $\vdash$ | Н               | _           |           |          |          |          |       | 52       |                 | $\dashv$      | $\dashv$ | +            | ╄         |                 |          | -        |  | 102        | -              | $\vdash$   | $\dashv$ |          | -        | <b></b>  | $\dashv$ | $\dashv$ |          |
|          | 3        | ╀       | ⊢  |              |          | Н               | -           | -         | -        |          |          |       | 53<br>54 |                 | $\dashv$      | +        | ╁            | ┿         | Н               |          | -        |  | 103        | ┢              | ┥  |          |          | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 5        | ╫       | ├  | <del> </del> | $\vdash$ | Н               |             | Н         |          |          |          |       | 55       | Н               | $\dashv$      | +-       | +            | ╁         | ╁╾╁             | +        | -        | $\vdash$   | 105        | ┝              | $\vdash$   | $\dashv$ | -        |          | $\dashv$ | +        | $\dashv$ | $\dashv$ |
|          | 6        | +       | ┢  | $\vdash$     | 1        | Н               |             | Н         |          | _        | :: ":    |       | 56       | Н               | $\dashv$      | +        | +            | +         | $\vdash$        |          | 1        |  | 106        |                | H  | _        |          |          | -        | $\dashv$ | 寸        | $\dashv$ |
|          | 7        | +       | $\vdash$   | $\vdash$     | Н        | Н               |             | Н         |          | _        |          |       | 57       | H               | _             | $\neg$   | $\top$       | +         |                 | _        | <b>-</b> |  | 107        | İ              | H  |          |          |          | 一        | _        | ヿ        | $\dashv$ |
|          | 8        | 1       |  |              |          | П               |             | Н         |          | _        |          |       | 58       |                 |               | 7        | T            | 1         |                 |          | 7        |  | 108        |                | П  | ヿ        |          |          |          | $\top$   | ヿ        | $\neg$   |
|          | 9        | T       |  |              |          |                 |             |           |          |          |          |       | 59       | П               | $\neg$        | $\top$   |              |           |                 |          | 7        |  | 109        |                |  |          |          |          |          | $\top$   | I        | $\neg$   |
|          | 10       | T       |  |              |          |                 |             |           |          |          |          |       | 60       |                 |               |          |              |           |                 |          |          |  | 110        |                |  |          |          |          |          |          |          |          |
|          | 11       |         |  |              |          |                 |             |           |          |          |          |       | 61       |                 |               | $\perp$  |              | $\perp$   |                 |          |          |  | 111        |                |  |          |          |          |          | $\perp$  | _        |          |
|          | 12       | $\perp$ |  |              |          | Ш               |             |           |          |          |          |       | 62       | Ш               |               |          |              | 1         | $\Box$          |          | 4        |  | 112        | <u> </u>       | $\sqcup$   | _        |          | _        | _        | $\dashv$ | _        | $\sqcup$ |
|          | 13       | Щ       | _  |              |          | Ш               | Ш           | Щ         |          |          |          |       | 63       | Ш               | $\dashv$      | $\perp$  | _            | ↓_        | _               |          | 4        | <u> </u>   | 113        |                | $\sqcup$   |          | _        |          | _        | $\dashv$ | 4        | _        |
|          | 14       | 4       | _  | _            | Ш        | Ш               | Ш           | L         | _        |          |          |       | 64       | Ш               | $\dashv$      | +        | +            | +         |                 | +        | 4::::    | <u> </u>   | 114        | <u> </u>       |  |          |          | 4        | -        | $\dashv$ | 4        | 4        |
| <u> </u> | 15       | 4       | _  | _            | $\vdash$ | Н               | Ш           | $\vdash$  |          |          |          | ļ.—   | 65       | Н               | $\dashv$      | +        | +            | +         | $\vdash$        | +        | -        | <u> </u>   | 115        | <del> </del>   | $\vdash$   | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 16       | #       | <del> </del>                                     | H            | $\vdash$ | $\vdash\vdash$  | $\vdash$    |           | $\dashv$ | _        |          |       | 66<br>67 | Н               | $\dashv$      | -+-      | +            | +         | $\vdash$        | +        | -        | -  | 116<br>117 | -              | $\vdash$   | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ |
|          | 17<br>18 | +       | <del> </del>                                     | -            | $\vdash$ | Н               | $\vdash$    | Н         | $\dashv$ |          |          |       | 68       | $\vdash$        | -+            | -        | +            | +         | $\vdash \vdash$ | +        | -        |  | 118        | $\vdash$       | $\vdash$   | $\dashv$ |          |          |          | +        |          | $\dashv$ |
|          | 19       | +       | ┢  | -            | -        | H               |             | H         |          |          |          |       | 69       | Н               | $\dashv$      | +        | ╁            | +         |                 | +        | ┪        |  | 119        |                | $\vdash$   | $\dashv$ | _        | -        |          | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u> | 20       | ╁       | ┢  | _            | -        | Н               |             | Н         |          |          |          |       | 70       | H               |               | +        | +            | $\dagger$ | $\vdash$        | +        | ┦!!!!    |  | 120        |                | H  | _        | _        |          |          | +        | $\dashv$ | $\dashv$ |
|          | 21       | +       | _  | _            | -        |                 |             |           |          |          |          |       | 71       |                 | _             | _        | +            | T         | Н               | $\top$   | 7        |  | 121        | 1              | H  | $\dashv$ |          | _        | _        | $\dashv$ | _        | $\neg$   |
|          | 22       | +       |  |              |          | H               |             | М         | $\neg$   | _        |          |       | 72       | П               | $\dashv$      | $\top$   | +-           | 1         | $\vdash$        | $\dashv$ | ١!!!     |  | 122        |                | Ħ  |          |          |          |          | $\top$   | $\neg$   | $\neg$   |
|          | 23       |         | -  |              |          | П               |             |           |          |          |          |       | 73       |                 | $\dashv$      | $\top$   | T            | T         |                 | $\top$   | 7        |  | 123        |                | Ħ  |          |          |          |          | $\top$   |          | $\neg$   |
|          | 24       |         | ⇈  |              |          | П               |             | П         |          |          |          |       | 74       |                 |               |          |              |           |                 |          | 7        | Г  | 124        |                |  | T        |          |          |          | $\Box$   | $\Box$   | $\Box$   |
|          | 25       |         | Π  | _            |          | П               |             |           |          |          |          |       | 75       |                 |               |          |              |           |                 |          |          |  | 125        |                |  |          |          |          |          |          |          |          |
|          | 26       |         |  |              |          |                 |             |           |          |          |          |       | 76       |                 |               |          |              |           |                 |          |          |  | 126        |                |  | _        |          |          |          | $\perp$  | _        |          |
|          | 27       |         |  |              |          | Ш               |             |           |          |          |          |       | 77       | Ш               | $\perp$       | _        | $\perp$      | ↓         | <u> </u>        |          | _ ::::   |  | 127        | <u> </u>       | <u> </u>   |          |          | _        | _        | $\dashv$ | _        | _        |
|          | 28       |         | <u>L</u>   |              | L.       | Щ               |             | Ш         |          |          |          |       | 78       | Ш               | _             | 4        |              | ╄         |                 | _        | 4        |  | 128        | _              | Н  | _        | _        |          |          |          | $\dashv$ |          |
| L        | 29       |         | _  |              |          |                 |             |           |          |          |          |       | 79       | Щ               | -             |          | +            | ╀         | $\vdash$        | _        | -        | _  | 129        | _              | $\sqcup$   | _        |          |          | -        | $\dashv$ | $\dashv$ |          |
|          | 30       |         | <u> </u>   |              | _        | Н               |             |           |          |          |          |       | 80       | Н               | $\dashv$      | +        | +            | ╀         | -               | +        | -        | -  | 130        | ┢              | $\vdash$   |          |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u> | 31       |         | -  |              | H        | Н               | -           |           | $\dashv$ | _        |          |       | 81       | $\vdash$        | $\dashv$      | +        | +            | +         | ł <u>-</u>      | +        | -        | ├  | 131<br>132 | -              |  |          |          |          | $\dashv$ | +        | $\dashv$ | $\dashv$ |
| $\vdash$ | 32<br>33 | -       | -  |              | $\vdash$ | Н               | Н           | $\vdash$  | $\dashv$ | -        |          |       | 82<br>83 | $\vdash$        | +             | +        | +            | +         | $\vdash$        | +        | -        | <del> </del>                                     | 133        | $\vdash$       | <del>                                     </del> |          | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ |
| <u> </u> | 34       | _       | ├  | _            | $\vdash$ | Н               | $\vdash$    | H         | $\dashv$ | -        | - :      |       | 84       | $\vdash$        | $\dashv$      | +        | +            | ╁         |                 | $\dashv$ | 1        | <del>                                     </del> | 134        | H              | $\vdash$   |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <b></b>  | 35       | -       | H  |              |          | H               | H           | H         | -        | $\dashv$ |          |       | 85       | $\vdash \vdash$ | $\dashv$      | +        | $\dagger$    | t         |                 | +        | ┧        | <del> </del>                                     | 135        | Т              |  |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 36       | -       | <b>!</b>   |              |          | H               | H           | H         |          |          |          |       | 86       | Н               | $\dashv$      | $\top$   | 1            | $\top$    | $  \neg  $      | -        | 1        |  | 136        | $\vdash$       |  | 1        | $\neg$   | 一        |          | $\neg$   | $\dashv$ | $\dashv$ |
|          | 37       |         | <del>                                     </del> |              | П        | П               | $\sqcap$    | П         |          |          |          |       | 87       | М               | $\neg$        | $\top$   | $\top$       | $\top$    | $\Box$          | $\neg$   | 1        |  | 137        | Ι_             |  |          |          |          |          |          |          | $\dashv$ |
|          | 38       | _       |  |              |          | H               |             | П         |          |          |          |       | 88       |                 |               |          | $\mathbf{I}$ | Ι         |                 |          | ]        |  | 138        |                |  |          |          |          |          |          | $\Box$   |          |
|          | 39       |         |  |              |          |                 |             |           |          |          |          |       | 89       |                 |               | $\perp$  |              |           |                 |          | ]        |  | 139        |                |  | $\Box$   |          |          |          | $\Box$   |          |          |
|          | 40       |         |  |              |          |                 |             |           |          |          |          |       | 90       |                 |               |          | $\Box$       |           | $\Box$          |          | ]:       |  | 140        | L_             |  | $\Box$   | _]       |          |          | $\dashv$ | _        | _]       |
|          | 41       |         |  |              |          | Ш               |             | Ш         |          |          |          |       | 91       | Ш               |               | _        | $\perp$      | ļ.,       |                 |          | 1        |  | 141        | L_             |  | _        |          |          |          | _        |          |          |
|          | 42       |         | _  |              | Ш        | Ш               |             | Ш         |          | _        | :<br>: : |       | 92       | Ш               | $\rightarrow$ | $\perp$  | $\perp$      | ↓_        | $\sqcup$        |          |          | <u> </u>   | 142        | <u> </u>       | $\sqcup$   | $\dashv$ |          | _        |          | _        | $\dashv$ | _        |
|          | 43       |         | <u> </u>   |              | Щ        | $\sqcup$        |             | $\square$ | $\dashv$ | _        |          |       | 93       | Щ               | _             | _        | _            | ↓         | $\vdash$        | _        | 4        | <u> </u>   | 143        | <u> </u>       | $\vdash$   | _        |          | _        | _        | -        | $\dashv$ | _        |
|          | 44       |         | <u> </u>   |              | Н        | $\vdash \vdash$ | $\Box$      | Н         |          | _        |          |       | 94       | Н               | $\dashv$      | +        | +            | +-        | $\vdash \vdash$ | -        | -        | <u> </u>   | 144        | <del> </del>   | $\vdash$   |          |          | $\dashv$ |          | $\dashv$ | $\dashv$ | _        |
|          | 45       |         | $\vdash$   |              | Н        | $\vdash \dashv$ | $\vdash$    | Н         | -        | -        |          |       | 95       | $\vdash$        | -             | -        | ╫            | +         | ⊢┼              | +        | -        | $\vdash$   | 145        | ├-             | $\vdash \vdash$                                  | $\dashv$ | $\dashv$ | -        |          | +        | $\dashv$ | $\dashv$ |
| -        | 46<br>47 |         | -  |              | $\vdash$ | $\vdash$        |             | $\vdash$  | $\dashv$ | $\dashv$ |          |       | 96<br>97 | $\vdash \dashv$ | +             | +        | +-           | +         | $\vdash \vdash$ | +        | -        | $\vdash$   | 146<br>147 | -              | $\vdash$   | $\dashv$ | $\dashv$ |          | $\dashv$ | +        | $\dashv$ | $\dashv$ |
|          | 47       |         |  |              | $\vdash$ | $\vdash \vdash$ | $\dashv$    | $\vdash$  | -        | $\dashv$ |          |       | 98       | $\vdash$        | $\dashv$      | +        | ╁            | +         | ╟┤              | -        | -        | $\vdash$   | 148        | <del>  -</del> | $\vdash$   | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 49       |         | <del> </del>                                     |              | $\vdash$ | $\vdash$        | $\vdash$    | $\vdash$  |          | -        |          |       | 99       | $\vdash$        | $\dashv$      | +        | +            | ╁         | H               | $\dashv$ | -        | $\vdash$   | 149        | $\vdash$       | $\vdash$   | ᅱ        | $\dashv$ |          |          | +        | $\dashv$ | $\dashv$ |
|          | 50       |         |  |              | Н        | $\vdash \vdash$ | $\vdash$    | Н         |          | ᅱ        |          |       | 100      | H               | $\dashv$      | $\dashv$ | +            | ╁╴        | H               | _        | 1        | $\vdash$   | 150        | ┢              | $\vdash$   | $\dashv$ | $\neg$   | ᅱ        | -        | $\dashv$ | $\dashv$ | $\dashv$ |
|          | -00      |         | ш  |              | ш        | لــــا          | ш           |           |          |          | :        |       | ,50      | ш               |               | ᅳᅳ       |              |           |                 |          | ٠. ٠.    |  | 1.00       |                |  | 1        |          | _        |          |          |          | _        |